

In the Claims

1.-106. (cancelled)

107. (new) A remotely operated television camera system for identifying a viewed scene, the system comprising:

a first television camera including narrow angle lens selected from a group consisting of fixed focal lens, vary focal lens and zoom lens adapted to be remotely operated for observing said viewed scene;

a second television camera joined to said first television camera including wide angle lens selected from a group consisting of fixed focal lens, vary focal lens and zoom lens, said first and said second television cameras are optically targeted toward same scene;

a pan and tilt device for positioning said first and second television cameras jointly;

said first television camera including at least one imaging device selected from a group consisting of imager with smaller diagonal size, imager with larger diagonal size, black and white imager, color imager, IR imager, color and black and white dual imager, color and IR dual imager, black and white and IR dual imager and a combination thereof and at least one optical filter selected from a group consisting of color pass filter, IR cut filter, neutral filter and a combination thereof;

Said first television camera including a mechanical device for repositioning a combination of said imaging device and said optical filter into the optical path of said narrow angle lens for switching-over the viewing modes selected from a group consisting of color to black and white mode, color to IR mode, color to black and white to IR mode, color to IR to black and white mode, black and white to IR mode, black and white to color mode, black and white to color to IR mode, black and white to IR to color mode, IR to color mode, IR to black and white

mode, IR to black and white to color mode, and IR to color to black and white mode;

said processor including signal combining circuit for processing and combining video signals generated by said first television camera and by said second television camera for outputting a combined video signal composed of a wide angle sub-picture of said scene viewed by said second television camera inside a narrow angle main picture of said scene viewed by said first television camera, wherein said sub-picture occupies a small area inside said main picture; said processor including a sensing and comparing circuit for said video signals generated by said first television camera and said second television camera, for detecting one of a low comparative video signal and a high comparative video signal by comparing said video signals to reference signals, wherein said processor activates said switching-over to a selected viewing mode selected from a group consisting of from color to black and white, from color to IR and from black and white to IR when said sensing and comparing circuit detects a low comparative video signal generated by said first television camera, and switching back to the prior selected viewing mode selected from a group consisting of back to color from black and white, back to color from IR and back to black and white from IR when said sensing and comparing circuit detects a high comparative video signal generated by said second television camera.

108. (new) The system according to claim 107, wherein said at least one imaging device is a dual imager selected from a group consisting of said color and Black and white dual imager, said color and IR dual imager and said black and white and IR dual imager and said optical filter is said IR cut filter;

wherein said mechanical device includes a filter holder for positioning said IR cut filter into said optical path for switching-over the viewing modes selected from a group consisting of said IR to color mode, IR to black and white mode and Black and white to color mode and for removing said IR cut filter from said optical path for switching back said viewing modes selected from a group consisting of back

to IR from color, back to IR from black and white and back to color from black and white.

109. (new) The system according to claim 107, wherein said at least one imaging device is a combination of said imager with smaller diagonal size and said imager with larger diagonal size; wherein said mechanical device switches-over from said imager with smaller diagonal size to said imager with larger diagonal size for increasing the angle of view of said narrow angle lens and from said imager with larger diagonal size to said imager with smaller diagonal size for decreasing the angle of view of said narrow angle lens.
110. (new) The system according to claim 107, wherein said signal combining circuit for combining video signals outputs a reversed combined signal composed of said narrow angle sub-picture in said wide angle main picture.
111. (new) The system according to claim 108, wherein said signal combining circuit for combining video signals outputs a reversed combined signal composed of said narrow angle sub-picture in said wide angle main picture.
112. (new) The system according to claim 109, wherein said signal combining circuit for combining video signals outputs a reversed combined signal composed of said narrow angle sub-picture in said wide angle main picture.
113. (new) The system according to claim 107, wherein said signal combining circuit selectively outputs said video signal generated by said first television camera, said video signal generated by said second television camera, said combined signal composed of said wide angle sub-picture in said narrow angle main picture, and said combined signal composed of said narrow angle sub-picture in said wide angle main picture.
114. (new) The system according to claim 108, wherein said signal combining circuit selectively outputs said video signal generated by said first television camera, said video signal generated by said second television camera, said combined signal composed of said wide angle sub-picture in said narrow angle main picture, and

said combined signal composed of said narrow angle sub-picture in said wide angle main picture.

115. (new) The system according to claim 109, wherein said signal combining circuit selectively outputs said video signal generated by said first television camera, said video signal generated by said second television camera, said combined signal composed of said wide angle sub-picture in said narrow angle main picture, and said combined signal composed of said narrow angle sub-picture in said wide angle main picture.
116. (new) The system according to claim 107, wherein said camera system includes an internal synchronizing generator for feeding internal synchronizing signals to said first television camera, said second television camera and said signal combining circuit for providing smooth undisturbed combining process of said combined video signal.
117. (new) The system according to claim 108, wherein said camera system includes an internal synchronizing generator for feeding internal synchronizing signals to said first television camera, said second television camera and said signal combining circuit for providing smooth undisturbed combining process of said combined video signal.
118. (new) The system according to claim 109, wherein said camera system includes an internal synchronizing generator for feeding internal synchronizing signals to said first television camera, said second television camera and said signal combining circuit for providing smooth undisturbed combining process of said combined video signal.
119. (new) The system according to claim 107 further comprising a receiver including a controller; a transmission line for propagating control commands generated by said controller to said camera system and said combined signal to said receiver, wherein said control commands propagated to said camera system including commands for switching-over said viewing modes.

120. (new) The system according to claim 108 further comprising a receiver including a controller; a transmission line for propagating control commands generated by said controller to said camera system and said combined signal to said receiver, wherein said control commands propagated to said camera system including commands for switching-over said viewing modes.
121. (new) The system according to claim 109 further comprising a receiver including a controller; a transmission line for propagating control commands generated by said controller to said camera system and said combined signal to said receiver, wherein said control commands propagated to said camera system including commands for switching-over said viewing modes.
122. (new) The system according to claim 113 further comprising a receiver including a controller; a transmission line for propagating control commands generated by said controller to said camera system and said video signal and said combined signal to said receiver, wherein said control commands propagated to said camera system including commands for switching-over said viewing modes and commands for selectively outputting said video signal generated by said first television camera, said video signal generated by said second television camera, said combined signal composed of said wide angle sub-picture in said narrow angle main picture, and said combined signal composed of said narrow angle sub-picture in said wide angle main picture.
123. (new) The system according to claim 114 further comprising a receiver including a controller a transmission line for propagating control commands generated by said controller to said camera system and said video signal and said combined signal to said receiver, wherein said control commands propagated to said camera system including commands for switching-over said viewing modes and commands for selectively outputting said video signal generated by said first television camera, said video signal generated by said second television camera, said combined signal composed of said wide angle sub-picture in said narrow angle main picture, and said combined signal composed of said narrow angle sub-picture in said wide angle main picture.

124. (new) The system according to claim 115 further comprising a receiver including a controller a transmission line for propagating control commands generated by said controller to said camera system and said video signal and said combined signal to said receiver, wherein said control commands propagated to said camera system including commands for switching-over said viewing modes and commands for selectively outputting said video signal generated by said first television camera, said video signal generated by said second television camera, said combined signal composed of said wide angle sub-picture in said narrow angle main picture, and said combined signal composed of said narrow angle sub-picture in said wide angle main picture.

125. (new) The system according to claim 119 further comprising an external synchronizing device for externally synchronizing said camera system, said external synchronizing device including an external synchronizing signal generator circuit feeding said transmission line with an external synchronizing pulse signal having a voltage level higher than a maximum voltage level or lower than a minimum voltage level of said video signals, and wherein said camera system incorporates a comparator circuit for separating said pulse signal propagated over said transmission line from said video signals by comparing said video signals to a reference signal and applying said separated pulse signal to said internal synchronizing generator for externally synchronizing said camera system.

126. (new) The system according to claim 120 further comprising an external synchronizing device for externally synchronizing said camera system, said external synchronizing device including an external synchronizing signal generator circuit feeding said transmission line with an external synchronizing pulse signal having a voltage level higher than a maximum voltage level or lower than a minimum voltage level of said video signals, and wherein said camera system incorporates a comparator circuit for separating said pulse signal propagated over said transmission line from said video signals by comparing said video signals to a reference signal and applying said separated pulse signal to said internal synchronizing generator for externally synchronizing said camera system.

127. (new) The system according to claim 121 further comprising an external synchronizing device for externally synchronizing said camera system, said external synchronizing device including an external synchronizing signal generator circuit feeding said transmission line with an external synchronizing pulse signal having a voltage level higher than a maximum voltage level or lower than a minimum voltage level of said video signals, and wherein said camera system incorporates a comparator circuit for separating said pulse signal propagated over said transmission line from said video signals by comparing said video signals to a reference signal and applying said separated pulse signal to said internal synchronizing generator for externally synchronizing said camera system.
128. (new) The system according to claim 122 further comprising an external synchronizing device for externally synchronizing said camera system, said external synchronizing device including an external synchronizing signal generator circuit feeding said transmission line with an external synchronizing pulse signal having a voltage level higher than a maximum voltage level or lower than a minimum voltage level of said video signals, and wherein said camera system incorporates a comparator circuit for separating said pulse signal propagated over said transmission line from said video signals by comparing said video signals to a reference signal and applying said separated pulse signal to said internal synchronizing generator for externally synchronizing said camera system.
129. (new) The system according to claim 123 further comprising an external synchronizing device for externally synchronizing said camera system, said external synchronizing device including an external synchronizing signal generator circuit feeding said transmission line with an external synchronizing pulse signal having a voltage level higher than a maximum voltage level or lower than a minimum voltage level of said video signals, and wherein said camera system incorporates a comparator circuit for separating said pulse signal propagated over said transmission line from said video signals by comparing said video signals to a reference signal and applying said separated pulse signal to said internal synchronizing generator for externally synchronizing said camera system.

130. (new) The system according to claim 124 further comprising an external synchronizing device for externally synchronizing said camera system, said external synchronizing device including an external synchronizing signal generator circuit feeding said transmission line with an external synchronizing pulse signal having a voltage level higher than a maximum voltage level or lower than a minimum voltage level of said video signals, and wherein said camera system incorporates a comparator circuit for separating said pulse signal propagated over said transmission line from said video signals by comparing said video signals to a reference signal and applying said separated pulse signal to said internal synchronizing generator for externally synchronizing said camera system.

131. (new) A remotely operated television camera system for identifying a viewed scene, the system comprising:

a first television camera including narrow angle lens selected from a group consisting of fixed focal lens, vary focal lens and zoom lens adapted to be remotely operated for observing said viewed scene;

an illumination sensor joined to said first television camera including wide angle lens selected from a group consisting of fixed focal lens, vary focal lens and zoom lens, said first television camera and said illumination sensor are optically targeted toward same scene;

a pan and tilt device for positioning said first and said illumination sensor jointly; said first television camera including at least one imaging device selected from a group consisting of imager with smaller diagonal size, imager with larger diagonal size, black and white imager, color imager, IR imager, color and black and white dual imager, color and IR dual imager, black and white and IR dual imager and a combination thereof and at least one optical filter selected from a group consisting of color pass filter, IR cut filter, neutral filter and a combination thereof;

said first television camera including a mechanical device for repositioning a combination of said imaging device and said optical filter into the optical path of said narrow angle lens for switching-over the viewing modes selected from a group consisting of color to black and white mode, color to IR mode, color to

black and white to IR mode, color to IR to black and white mode, black and white to IR mode, black and white to color mode, black and white to color to IR mode, black and white to IR to color mode, IR to color mode, IR to black and white mode, IR to black and white to color mode, and IR to color to black and white mode;

a processor including a sensing and comparing circuit for the video signal generated by said first television camera and for the illumination signal generated by said illumination sensor, for detecting one of a low comparative video signal and a high comparative illumination signal by comparing said video signal and said illumination signal to reference signals, wherein said processor activates said switching-over to a selected viewing mode selected from a group consisting of from color to black and white, from color to IR and from black and white to IR when said sensing and comparing circuit detects a low comparative video signal generated by said first television camera, and switching-back to the prior selected viewing mode selected from a group consisting of back to color from black and white, back to color from IR and back to black and white from IR when said sensing and comparing circuit detects a high comparative illumination signal generated by said illumination sensor.

132. (new) The system according to claim 131, wherein said at least one imaging device is a dual imager selected from a group consisting of said color and Black and white dual imager, said color and IR dual imager and said black and white and IR dual imager and said optical filter is said IR cut filter; wherein said mechanical device includes a filter holder for positioning said IR cut filter into said optical path for switching-over the viewing modes selected from a group consisting of said IR to color mode, IR to black and white mode and Black and white to color mode and for removing said IR cut filter from said optical path for switching back said viewing modes selected from a group consisting of back to IR from color, back to IR from black and white and back to color from black and white.

133. (new) The system according to claim 131, wherein said at least one imaging device is a combination of said imager with smaller diagonal size and said imager with larger diagonal size; wherein said mechanical device switches-over from said imager with smaller diagonal size to said imager with larger diagonal size for increasing the angle of view of said narrow angle lens and from said imager with larger diagonal size to said imager with smaller diagonal size for decreasing the angle of view of said narrow angle lens.
134. (new) The system according to claim 131 further comprising a receiver including a controller a transmission line for propagating control commands generated by said controller to said camera system and said video signal to said receiver, wherein said control commands propagated to said camera system including commands for switching-over said viewing modes.
135. (new) The system according to claim 132 further comprising a receiver including a controller; a transmission line for propagating control commands generated by said controller to said camera system and said video signal to said receiver, wherein said control commands propagated to said camera system including commands for switching-over said viewing modes.
136. (new) The system according to claim 133 further comprising a receiver including a controller; a transmission line for propagating control commands generated by said controller to said camera system and said video signal to said receiver, wherein said control commands propagated to said camera system including commands for switching-over said viewing modes.
137. (new) The system according to claim 134 further comprising an external synchronizing device for externally synchronizing said camera system, said external synchronizing device including an external synchronizing signal generator circuit feeding said transmission line with an external synchronizing pulse signal having a voltage level higher than a maximum voltage level or lower than a minimum voltage level of said video signals, and wherein said camera system incorporates a comparator circuit for separating said pulse signal

propagated over said transmission line from said video signals by comparing said video signals to a reference signal and applying said separated pulse signal to an internal synchronizing generator for externally synchronizing said camera system.

138. (new) The system according to claim 135 further comprising an external synchronizing device for externally synchronizing said camera system, said external synchronizing device including an external synchronizing signal generator circuit feeding said transmission line with an external synchronizing pulse signal having a voltage level higher than a maximum voltage level or lower than a minimum voltage level of said video signals, and wherein said camera system incorporates a comparator circuit for separating said pulse signal propagated over said transmission line from said video signals by comparing said video signals to a reference signal and applying said separated pulse signal to an internal synchronizing generator for externally synchronizing said camera system.
139. (new) The system according to claim 136 further comprising an external synchronizing device for externally synchronizing said camera system, said external synchronizing device including an external synchronizing signal generator circuit feeding said transmission line with an external synchronizing pulse signal having a voltage level higher than a maximum voltage level or lower than a minimum voltage level of said video signals, and wherein said camera system incorporates a comparator circuit for separating said pulse signal propagated over said transmission line from said video signals by comparing said video signals to a reference signal and applying said separated pulse signal to an internal synchronizing generator for externally synchronizing said camera system.
140. (new) The system according to claim 107, wherein said second television camera further includes at least one imaging device selected from a group consisting of imager with smaller diagonal size, imager with larger diagonal size, black and white imager, color imager, IR imager, color and black and white dual imager, color and IR dual imager, black and white and IR dual imager and a combination thereof and at least one optical filter selected from a group consisting of color pass filter, IR cut filter, neutral filter and a combination thereof; the system further comprising a mechanical device for repositioning a combination of said

imaging device and said optical filter into the optical path of said narrow angle lens for switching-over the viewing modes selected from a group consisting of color to black and white mode, color to IR mode, color to black and white to IR mode, color to IR to black and white mode, black and white to IR mode, black and white to color mode, black and white to color to IR mode, black and white to IR to color mode, IR to color mode, IR to black and white mode, IR to black and white to color mode, and IR to color to black and white mode; and wherein said processor activates said switching-over of said selected viewing modes of said second television camera jointly with said viewing modes of said first television camera.

141. (new) The system according to claim 108, wherein said second television camera further includes at least one imaging device selected from a group consisting of imager with smaller diagonal size, imager with larger diagonal size, black and white imager, color imager, IR imager, color and black and white dual imager, color and IR dual imager, black and white and IR dual imager and a combination thereof and at least one optical filter selected from a group consisting of color pass filter, IR cut filter, neutral filter and a combination thereof; the system further comprising a mechanical device for repositioning a combination of said imaging device and said optical filter into the optical path of said narrow angle lens for switching-over the viewing modes selected from a group consisting of color to black and white mode, color to IR mode, color to black and white to IR mode, color to IR to black and white mode, black and white to IR mode, black and white to color mode, black and white to color to IR mode, black and white to IR to color mode, IR to color mode, IR to black and white mode, IR to black and white to color mode, and IR to color to black and white mode; and wherein said processor activates said switching-over of said selected viewing modes of said second television camera jointly with said viewing modes of said first television camera.

142. (new) The system according to claim 109, wherein said second television camera further includes at least one imaging device selected from a group consisting of imager with smaller diagonal size, imager with larger diagonal size, black and

white imager, color imager, IR imager, color and black and white dual imager, color and IR dual imager, black and white and IR dual imager and a combination thereof and at least one optical filter selected from a group consisting of color pass filter, IR cut filter, neutral filter and a combination thereof; a mechanical device for repositioning a combination of said imaging device and said optical filter into the optical path of said narrow angle lens for switching-over the viewing modes selected from a group consisting of color to black and white mode, color to IR mode, color to black and white to IR mode, color to IR to black and white mode, black and white to IR mode, black and white to color mode, black and white to color to IR mode, black and white to IR to color mode, IR to color mode, IR to black and white mode, IR to black and white to color mode, and IR to color to black and white mode; and wherein said processor activates said switching-over of said selected viewing modes of said second television camera jointly with said viewing modes of said first television camera.

143. (new) The system according to claim 119, wherein said second television camera further includes at least one imaging device selected from a group consisting of imager with smaller diagonal size, imager with larger diagonal size, black and white imager, color imager, IR imager, color and black and white dual imager, color and IR dual imager, black and white and IR dual imager and a combination thereof and at least one optical filter selected from a group consisting of color pass filter, IR cut filter, neutral filter and a combination thereof; a mechanical device for repositioning a combination of said imaging device and said optical filter into the optical path of said narrow angle lens for switching-over the viewing modes selected from a group consisting of color to black and white mode, color to IR mode, color to black and white to IR mode, color to IR to black and white mode, black and white to IR mode, black and white to color mode, black and white to color to IR mode, black and white to IR to color mode, IR to color mode, IR to black and white mode, IR to black and white to color mode, and IR to color to black and white mode; and

wherein said controller generates separate commands for said switching-over of said selected viewing modes of said second television camera and said viewing modes of said first television camera.

144. (new) The system according to claim 120, wherein said second television camera further includes at least one imaging device selected from a group consisting of imager with smaller diagonal size, imager with larger diagonal size, black and white imager, color imager, IR imager, color and black and white dual imager, color and IR dual imager, black and white and IR dual imager and a combination thereof and at least one optical filter selected from a group consisting of color pass filter, IR cut filter, neutral filter and a combination thereof; the system further comprising a mechanical device for repositioning a combination of said imaging device and said optical filter into the optical path of said narrow angle lens for switching-over the viewing modes selected from a group consisting of color to black and white mode, color to IR mode, color to black and white to IR mode, color to IR to black and white mode, black and white to IR mode, black and white to color mode, black and white to color to IR mode, black and white to IR to color mode, IR to color mode, IR to black and white mode, IR to black and white to color mode, and IR to color to black and white mode; and wherein said controller generate separate commands for said switching-over of said selected viewing modes of said second television camera and said viewing modes of said first television camera.

145. (new) The system according to claim 121, wherein said second television camera further includes at least one imaging device selected from a group consisting of imager with smaller diagonal size, imager with larger diagonal size, black and white imager, color imager, IR imager, color and black and white dual imager, color and IR dual imager, black and white and IR dual imager and a combination thereof and at least one optical filter selected from a group consisting of color pass filter, IR cut filter, neutral filter and a combination thereof; the system further comprising a mechanical device for repositioning a combination of said imaging device and said optical filter into the optical path of said narrow angle lens for switching-over the viewing modes selected from a group consisting

of color to black and white mode, color to IR mode, color to black and white to IR mode, color to IR to black and white mode, black and white to IR mode, black and white to color mode, black and white to color to IR mode, black and white to IR to color mode, IR to color mode, IR to black and white mode, IR to black and white to color mode, and IR to color to black and white mode; and wherein said controller generated separate commands for said switching-over of said selected viewing modes of said second television camera and said viewing modes of said first television camera.

146. (new) The system according to claim 113 further comprising a plurality of said television camera system; wherein each said processor of each said television camera system further including a code signal generating circuit for generating identification code signals allotted to each respective said television camera system;
- a receiver including a controller for selectively receiving said video signals, said combined signal, said reversed combined signal and said identification code signal and for remotely operating said television camera system, said controller including a control circuit for selecting and controlling each said television camera system, and an identification code decoder for decoding said identification code signal; transmission lines for connecting said plurality of television camera systems with said receiver;
- said control circuit including a control code generator for generating coded commands signal combined with a code signal corresponding to said identification code received by said receiver and for transmitting a combined control signals to said respective television camera system;
- each television camera system further including a decoder circuit for decoding said combined control signals and for operating said respective television camera system on the basis of the received command, when said code decoded by said decoder coincides with said identification code allotted to said respective television camera system.

147. (new) The system according to claim 146, wherein said at least one imaging device is a dual imager selected from a group consisting of said color and Black

and white dual imager, said color and IR dual imager and said black and white and IR dual imager and said optical filter is said IR cut filter;

wherein said mechanical device includes a filter holder for positioning said IR cut filter into said optical path for switching-over the viewing modes selected from a group consisting of said IR to color mode, IR to black and white mode and Black and white to color mode and for removing said IR cut filter from said optical path for switching back said viewing modes selected from a group consisting of back to IR from color, back to IR from black and white and back to color from black and white.

148. (new) The system according to claim 146, wherein said at least one imaging device is a combination of said imager with smaller diagonal size and said imager with larger diagonal size;

wherein said mechanical device switches-over from said imager with smaller diagonal size to said imager with larger diagonal size for increasing the angle of view of said narrow angle lens and from said imager with larger diagonal size to said imager with smaller diagonal size for decreasing the angle of view of said narrow angle lens.

149. (new) The system according to claim 146, wherein each said camera system includes an internal synchronizing generator for feeding internal synchronizing signals to said first television camera, said second television camera and said signal combining circuit for providing smooth undisturbed combining process of said combined video signal.

150. (new) The system according to claim 147, wherein each said camera system includes an internal synchronizing generator for feeding internal synchronizing signals to said first television camera, said second television camera and said signal combining circuit for providing smooth undisturbed combining process of said combined video signal.

151. (new) The system according to claim 148, wherein each said camera system includes an internal synchronizing generator for feeding internal synchronizing signals to said first television camera, said second television camera and said

signal combining circuit for providing smooth undisturbed combining process of said combined video signal.

152. (new) The system according to claim 146 further comprising an external synchronizing device for externally synchronizing said camera system, said external synchronizing device including an external synchronizing signal generator circuit feeding said transmission line with an external synchronizing pulse signal having a voltage level higher than a maximum voltage level or lower than a minimum voltage level of said video signals, and wherein said camera system incorporates a comparator circuit for separating said pulse signal propagated over said transmission line from said video signals by comparing said video signals to a reference signal and applying said separated pulse signal to said internal synchronizing generator for externally synchronizing said plurality of television camera system.
153. (new) The system according to claim 149 further comprising an external synchronizing device for externally synchronizing said camera system, said external synchronizing device including an external synchronizing signal generator circuit feeding said transmission line with an external synchronizing pulse signal having a voltage level higher than a maximum voltage level or lower than a minimum voltage level of said video signals, and wherein said camera system incorporates a comparator circuit for separating said pulse signal propagated over said transmission line from said video signals by comparing said video signals to a reference signal and applying said separated pulse signal to said internal synchronizing generator for externally synchronizing said plurality of television camera system.
154. (new) The system according to claim 150 further comprising an external synchronizing device for externally synchronizing said camera system, said external synchronizing device including an external synchronizing signal generator circuit feeding said transmission line with an external synchronizing pulse signal having a voltage level higher than a maximum voltage level or lower than a minimum voltage level of said video signals, and wherein said camera system

incorporates a comparator circuit for separating said pulse signal propagated over said transmission line from said video signals by comparing said video signals to a reference signal and applying said separated pulse signal to said internal synchronizing generator for externally synchronizing said plurality of television camera system.

155. (new) The system according to claim 146, wherein said identification code decoder further includes a memory for storing data pertaining to each allotted identification code, and a superimposing circuit for retrieving said data from said memory for selectable superimposing upon command said data along with selectable graphic signs including one of a cross hatch and a target mark onto said video signals.
156. (new) The system according to claim 147, wherein said identification code decoder further includes a memory for storing data pertaining to each allotted identification code, and a superimposing circuit for retrieving said data from said memory for selectable superimposing upon command said data along with selectable graphic signs including one of a cross hatch and a target mark onto said video signals.
157. (new) The system according to claim 148, wherein said identification code decoder further includes a memory for storing data pertaining to each allotted identification code, and a superimposing circuit for retrieving said data from said memory for selectable superimposing upon command said data along with selectable graphic signs including one of a cross hatch and a target mark onto said video signals.
158. (new) The system according to claim 131 further comprising a plurality of said television camera system; wherein each said processor of each said television camera system further including a code signal generating circuit for generating identification code signals allotted to each respective said television camera system; a receiver including a controller for receiving said video signals and said identification code signal and for remotely operating said television camera system, said controller including a control circuit for selecting and controlling

each said television camera system, and an identification code decoder for decoding said identification code signal; transmission lines for connecting said plurality of television camera systems with said receiver; said control circuit including a control code generator for generating coded commands signal combined with a code signal corresponding to said identification code received by said receiver and for transmitting a combined control signals to said respective television camera system; each television camera system further including a decoder circuit for decoding said combined control signals and for operating said respective television camera system on the basis of the received command, when said code decoded by said decoder coincides with said identification code allotted to said respective television camera system.

159. (new) The system according to claim 158, wherein said at least one imaging device is a dual imager selected from a group consisting of said color and Black and white dual imager, said color and IR dual imager and said black and white and IR dual imager and said optical filter is said IR cut filter; wherein said mechanical device includes a filter holder for positioning said IR cut filter into said optical path for switching-over the viewing modes selected from a group consisting of said IR to color mode, IR to black and white mode and Black and white to color mode and for removing said IR cut filter from said optical path for switching back said viewing modes selected from a group consisting of back to IR from color, back to IR from black and white and back to color from black and white.

160. (new) The system according to claim 158, wherein said at least one imaging device is a combination of said imager with a smaller diagonal size and said imager with a larger diagonal size; wherein said mechanical device switches-over from said imager with smaller diagonal size to said imager with larger diagonal size for increasing the angle of view of said narrow angle lens and from said imager with larger diagonal size to

said imager with smaller diagonal size for decreasing the angle of view of said narrow angle lens.

161. (new) The system according to claim 158 further comprising an external synchronizing device for externally synchronizing said camera system, said external synchronizing device including an external synchronizing signal generator circuit feeding said transmission line with an external synchronizing pulse signal having a voltage level higher than a maximum voltage level or lower than a minimum voltage level of said video signals, and wherein said camera system incorporates a comparator circuit for separating said pulse signal propagated over said transmission line from said video signals by comparing said video signals to a reference signal and applying said separated pulse signal to an internal synchronizing generator for externally synchronizing said plurality of television camera system.
162. (new) The system according to claim 159 further comprising an external synchronizing device for externally synchronizing said camera system, said external synchronizing device including an external synchronizing signal generator circuit feeding said transmission line with an external synchronizing pulse signal having a voltage level higher than a maximum voltage level or lower than a minimum voltage level of said video signals, and wherein said camera system incorporates a comparator circuit for separating said pulse signal propagated over said transmission line from said video signals by comparing said video signals to a reference signal and applying said separated pulse signal to an internal synchronizing generator for externally synchronizing said plurality of television camera system.
163. (new) The system according to claim 160, further comprising an external synchronizing device for externally synchronizing said camera system, said external synchronizing device including an external synchronizing signal generator circuit feeding said transmission line with an external synchronizing pulse signal having a voltage level higher than a maximum voltage level or lower than a minimum voltage level of said video signals, and wherein said camera

system incorporates a comparator circuit for separating said pulse signal propagated over said transmission line from said video signals by comparing said video signals to a reference signal and applying said separated pulse signal to an internal synchronizing generator for externally synchronizing said plurality of television camera system.

164. (new) The system according to claim 158, wherein said identification code decoder further includes a memory for storing data pertaining to each allotted identification code, and a superimposing circuit for retrieving said data from said memory for selectable superimposing upon command said data along with selectable graphic signs including one of a cross hatch and a target mark onto said video signals.
165. (new) The system according to claim 159, wherein said identification code decoder further includes a memory for storing data pertaining to each allotted identification code, and a superimposing circuit for retrieving said data from said memory for selectable superimposing upon command said data along with selectable graphic signs including one of a cross hatch and a target mark onto said video signals.
166. (new) The system according to claim 160, wherein said identification code decoder further includes a memory for storing data pertaining to each allotted identification code, and a superimposing circuit for retrieving said data from said memory for selectable superimposing upon command said data along with selectable graphic signs including one of a cross hatch and a target mark onto said video signals.